

Joint Conference on Materials Science and Astrophysics		
Time Zone: London, (GMT+1)		
Day-1 Monday JUNE 19, 2023		
10:00-10:40	Title: Sustainable Electronic Materials: Learning from Halide Perovskites David Cahen , Weizmann Institute of Science, Israel	P
10:40-11:05	Title: Accelerating Spherical Harmonic Transforms for a Large Number of Sky Maps Hao Liu , Anhui University, China	I
11:05-11:30	Title: Two-Dimensional Germanene-Based Janus Material $\text{Ge}_8\text{H}_n\text{X}_{8-n}$ ($n=0-8$, $\text{X}=\text{F}, \text{Cl}, \text{Br}, \text{I}$) for Photovoltaic and Photocatalytic Applications Yuliang Mao , Xiangtan University, China	I
11:30-11:55	Title: Modification of Newtonian Gravity and Its Application Jianan wang , Shenzhen University, China	I
11:55-12:35	Title: Will be updated Soon Soshu Kirihaara , Osaka University, Japan	P
12:35-13:00	Title: Machine-Learning Determination of Reaction-Diffusion Model Parameters for Dislocation Pattern Formation Yoshitaka Umeno , The University of Tokyo, Japan	I
13:00-13:25	Title: Artificial Intelligence and its Application in Astrophysics Hossen Teimoorinia , Canadian Astronomy Data Centre, Canada	I
13:25-13:50	Title: Enhanced Heterogeneous Nucleation of $\text{Al}_6(\text{Fe}, \text{Mn})$ Compound in Al Alloys by Interfacial Segregation of Mn on TiB_2 Particles Surface Zhongping Que , Brunel University London, UK	I
13:50-14:30	Title: Gravity Created by an Interaction between Elementary Particles and the ZPF Field Takaaki Musha , Foundation of Physics Research Center, Japan	P
14:30-14:55	Title: Assessing Self-Reinforced Composites from Recycled Clothing Wastes as Alternative Sustainable Building Materials Nattakan Soykeabkaew , Mae Fah Luang University, Thailand	I
14:55-15:20	Title: Hybrid stars: More Compatible with Recent Astrophysical Observations Monika Sinha , IIT Jodhpur, India	I
15:20-15:45	Title: Grafting of Polyaniline by a Dynamic Inverse Emulsion Polymerization Technique onto Membranes as an Anti-Biofouling Agent: An Innovative Approach Ran Suckeveriene , Kinneret Academic College on the Sea of Galilee, Israel	I
15:45-16:10	Title: Analytical Studies of the Generalized Reissner-Nordstrom Spacetimes Orchidea Maria Lecian , Sapienza University of Rome, Italy	I

16:10-16:50	Title: A Study of Stellar Dynamics of Virialised System Brunello Tirozzi , Sapienza University of Rome, Italy	P
End of Day-1		
Day-2 Monday JUNE 20, 2023		
Time Zone: London, (GMT+1)		
10:00-10:40	Title: An Inflationary Mechanism of Vacuum Energy Cancellation through Quasi-Quintessence Field Orlando Luongo , University of Camerino, Italy	P
10:40-11:05	Title: Thermal Management of Interconnects in Next Generation Logic Semiconductors Tianzhuo Zhan , Toyo University, Japan	I
11:05-11:30	Title: Unambiguous Evidence of Three Coexisting Ferroelectric Phases in a Lead-Free $\text{Li}_x\text{Na}_{1-x}\text{NbO}_3$ System: Redefining the Morphotropic Phase Boundary Saurabh Tripathi , Indian Institute of Technology, India	I
11:30-11:55	Title: A New Lemma of the Optical Equivalence Theorem and Some New Applications Orchidea Maria Lecian , Sapienza University of Rome, Italy	I
11:55-12:20	Title: Environmental Challenges for Construction Materials: Potential use of Calcined Clay in Cement Lucia Ferrari , University of Bologna, Italy	I
12:20-13:00	Title: Turbulent Behavior Near an X Point of a Plasma Brunello Tirozzi , Sapienza University of Rome, Italy	P
13:00-13:40	Title: Towards Efficient Feature Extraction in Data-Intensive Experiments within the PUNCH4NFDI Project Andreas Redelbach , Goethe University of Frankfurt, Germany	I
13:40-14:05	Title: Homogeneity as the Beginning of the Universe Jan P. Wilbert , Researcher, Germany	I
14:05-14:30	Title: Copper Sulphide Nanomaterials: Synthesis and use as Photocatalysts for Dye Polluted Waste Water Treatment Linda Dyorisse Nyamen , University of Yaoundé, Cameroon	I
14:30-15:00	Title: Materials Design for Safer Li-ion Batteries and their Ultra Low Temperature Performance Vilas G. Pol , Purdue University, USA	K
15:00-15:25	Title: Study of Photoluminescence in Epoxy Resins Applied do Radiation Dosimetry Luiz Oliveira de Faria , Centro de Desenvolvimento da Tecnologia Nuclear, Brazil	Poster
15:25-15:50	Title: Turbulence in the Space Plasma Liudmyla Kozak , Kyiv Taras Shevchenko University, Ukraine	I

15:50-16:30	Title: Effect of Foaming on Electrical Properties of Conductive Polymer Composites Chul B. Park , University of Toronto, Canada	P
16:30-16:55	Title: Cosmology with Time-Varying Curvature - A Summary John Botke , Ronin Institute, USA	I
End of Conference		